

ISST 12-16-2003 Call Summary

See ACTIONS at the end of this document.

Team members present (P) and not present (NP):

(P) Brad Colman (team leader) – WFO Seattle
(P) Peter Manousos (backup team leader) – NCEP/HPC
(P) Dan Baumgardt – WFO LaCrosse
(P) Mark Jackson – WFO Salt Lake City
(P) Larry Lee – WFO Greenville-Spartanburg
(P) Andy Patrick – WFO Corpus Christi
(P) Eric Stevens – WFO Fairbanks
(P) Bill Ward – WFO Guam
(P) Ken Waters – PRHQ
(P) Kevin Schrab (facilitator) – OST/PPD/PMB

Guests:

ER – Ken Johnson, David Novak, Josh Watson, Jeff Waldstreicher
SR – Dan Smith, Jack Settlermaier
CR – Peter Browning, Bill Gery
WR – Andy Edman, Kirby Cook
AR – James Partain
PR – Kevin Waters

Brief summary of Eta extension proposal

Brad Colman gave a brief summary of the proposal. All documents are on the ISST webpage (http://www.nws.noaa.gov/ost/ifps_sst/Eta_extension.html). Concerns arose at the NCEP Review last week that there was not Regional consensus to move forward. The main purpose of this call is to determine if there is Regional consensus to move forward. And, if so, what are the next steps to ensure that the data will get to the WFOs.

Open discussion of Eta extension proposal

Geoff DiMego indicated that Eric Rogers mechanically has the code ready to run and will have some test files soon. Geoff DiMego indicated that it is critical to make a decision to proceed since there is a 75 day notice required for any change. And first the 60-84 hr piece of the Eta needs to be moved to the 0-60 hr Eta run slot. Only after that, can the 84-192 hr extension be run.

There is no internal nudging, so drift from the GFS solution will have to be assessed. Many participants asked if it was possible to have a month-long assessment period before making the extension data available to the WFOs. It was generally agreed that this would be a good idea and would likely be easiest accomplished via webpages. There is still some concern that this is another model that the forecasters will need to assess. Therefore, additional parameters may need to be included to assess the validity of the synoptic representation presented by the extension. Discussion centered on what parameters would be needed. ER volunteered to put together a draft list of what other

parameters would be needed for this purpose. Pete Manousos indicated that HPC would be looking at the extension as well, and would be willing to provide feedback and include it in forecast discussions. How the additional parameters would be added (given bandwidth concerns) was discussed. Webpages display is an option, but display on AWIPS would be much better. The idea of sending out these “synoptic” parameters at a lower resolution (40 km or 80 km) was raised. This is something that will be investigated further, since it would save on bandwidth usage.

The concern was raised that this may impact resources at NCEP. Geoff DiMego indicated that it would have minimal impact on EMC, but that the NCO would need to assess the impact on central operations.

Success of this project will depend on getting the data to the WFOs. This is a concern. Several Regions feel that this challenge can be overcome and are working on possible alternatives. Kevin Schrab took an action to draft a 1 or 2 page paper on how the data transmission and display work should proceed and what will likely be involved.

Polling of the Regions for consensus to proceed with Phase 0

This means that the slot would be opened for the Eta extension run (where the 60-84 hr portion is currently run) within 75 days of public notification (likely late February or early March).

ER – thumbs sideways. Concerns about getting data to WFOs; concerns about drift issue (1 month assessment will help); willing to support phase 0 and decide on distribution of data after more analysis

SR – thumbs sideways. Similar concerns to ER; supportive of idea to help forecasters

CR – thumbs up. Emphasized need to improve extended range IFPS process

WR – thumbs up

PR – thumbs up

AR – thumbs up

ACTIONS:

1 – Report outcome of consensus vote to NCEP (due date 12/17/2003 – Brad Colman) – STATUS – complete, email sent to Louis Uccellini and Jack Hayes

2 – Draft list of additional parameters needed to assess model (due date 1/9/2004 – Jeff Waldstreicher)

3 – Draft 1 or 2 page paper on architecture and plans for data transmission and display (due date 1/16/2004 – Kevin Schrab)

4 – Distribute graphic of 4 regional sub-domains (due date 1/2/2004 – Kevin Schrab)